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FIG. 1B

mouse SIK2 1 TVHADGPPHLQRGPVRVGFYIGEGTLGKGNFAVVKLGRHRTTKTEVAIKE human SIK2 1 MYRADGPRHLQPGPYPVGFYDIEGTLGK-NFAVVKLGPHBITKTEVAIKI EDKSOLDAVNLEKIYREVQIMKHLDHFHIIKLYQVHETKSHLYLVTEYAK ddksoldavnlekiypevoinkhldhphiiklyovhetkshlylvteyak NGE IF DYLANHOPLNESEAR PRE UCILS AV DYCHGREWYHP DLKAENLLU ngeifdylanhgplnesearphfygilsavdychgpktvhbulkaenllu INNINIKIAD F GF GN F FETG ELLATUC GSPP YAAPEV FEG QQYEGPQLD I ennenikiadfgfgnffkägellatucgsppyaapevfegggyegpoldi MSHGVVLYVLVCGALFFPGPTLFILRQRVLEGRFPIPYFHSEDCEHLIRR mshgvvlyvlvcgalpfdgptlfilr<u>opvlegpfripyfnsedcehlirb</u> MLVLDPSKRLSIAQIKEHKWML IEVPVQPPILYPQEQENEPSIGEFNEQW mulppskrltiaoikehkhmlievpvoprvlypoeoenepsigefneov erlyhsigidooktvesionksynhfaaiyfilverikshrssfpveori epenhalgidooktieslonfsynhfaalyfelverekshpssfpveopu EGROPPPSTIAEQTVAKAOTVGLPVTLHPPNVPLHRSTLLPQASNVEAFS agporppstiaeotvakaot/mlpvtkhspnkrllrsallpoashveafs PPTSSCOAEAAFHEEECVITEKVNGCLLDPVPPVLVRVGCQSLPSSHNET ppaggcqaeaapheeecvdtphvngclldpvppvlvpkgcqslpshmhet SIDEGLETEGEAEEDPSOAF EAFOATRSCOPPHTLSEVINOLVVHPGAGR Sidegle tege abed pahap eaf of the gopph til seving lyvnpg agh ntsastnpslesvoseyungsagrolnfletspslkuthlangpsprats teshtidspslidsvoseydhgsvordlnfleinfslkdihlanopsprhts PFISL RPANPANGALSSCHEERHNESPVSFREGREASDTSLTOGIVA Prislpptnpangalssom evanpspysppegppasdtsltogivafpg FILONLARTEGILELNEVOLL YEON GENADPTLYSTAP CLODLSSSCPOED HLONLAPTKGILELNKYOLL YEDIGPEADPNLAPAAPOLODLASSCPOED ISOLOESVESLEASHHPOLEFOLELETOYLOHRLOHFILLPKAOSPCPVY veccoe system sympols proslet colomplone sllska cate oly CHEPPPSLEOOLOEHPLOOKPLFLOKOSCLOAYFNONGIAESSYPGPSQ: ckepppsleooloehploomplflomoscloayfnomolkessyp**o**psoo Calphoetphyscoppsfsl toalspuler see on kasflsoypenold LDL PROETEPPSCOAPPFSL TOPLSPVLEPSSEON OVEPFLSOYOF HOLD PLPSTPGFFAPPPLPSCLQQHQCFFFFFFFFFPPPQCFGAAPTSLQF3YQTC PLPSTSCPRAIPPLPHOLOGIC OPPPPPPPPPPPPRCPGAAPAPLOFSYOTO ELPSTTSSUPNYPASCHYPVIGACISNLTGAUTFF35GL DTASSYIPLA el paraspardypercompulsia cedelteris per peopolograpes with LSELPGLFICERVEAVITOHN-TUVSCLARET

lselpglfujehldavi fohngvýlvn

Fig.2

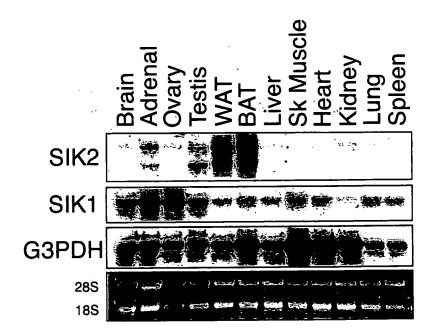
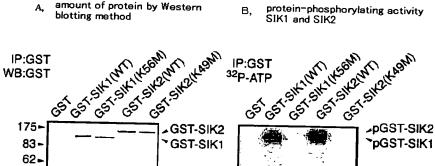


Fig.3



pGST-SIK1

-pGST-

Syntide2

GST-SIK1

-GST

amount of protein by Western blotting method

83-62-47.5► 32.5►

25-

FIG. 4

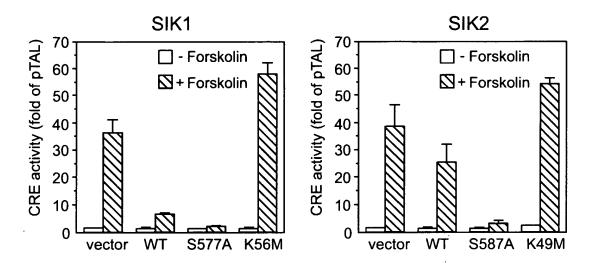


Fig.5

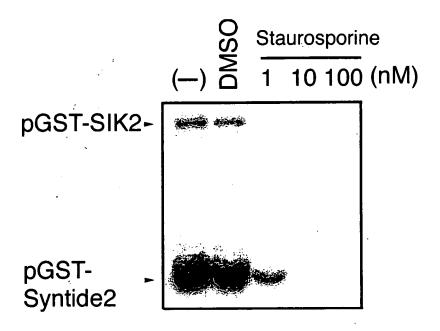


Fig.6

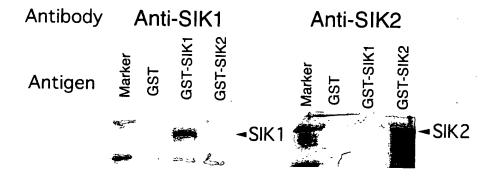


Fig.7

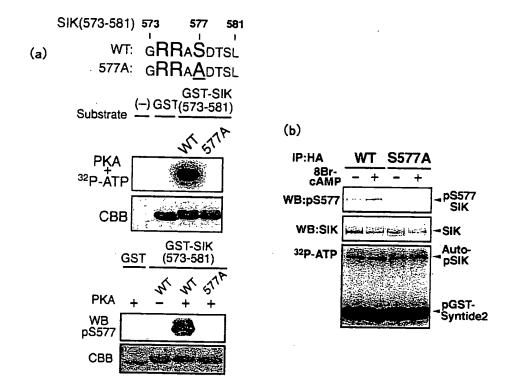


Fig.8

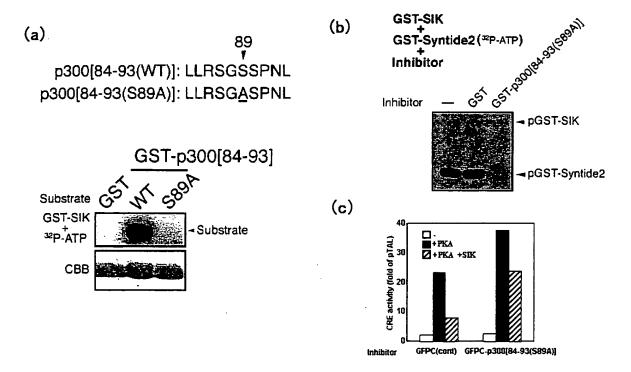


Fig.9

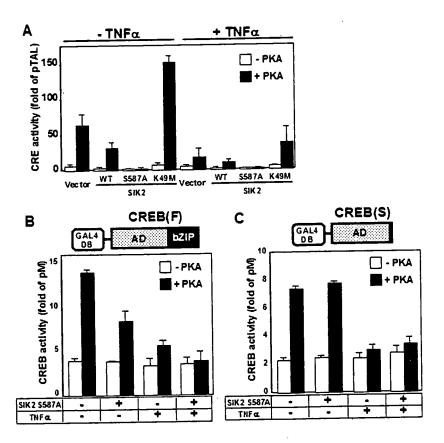


FIG. 10

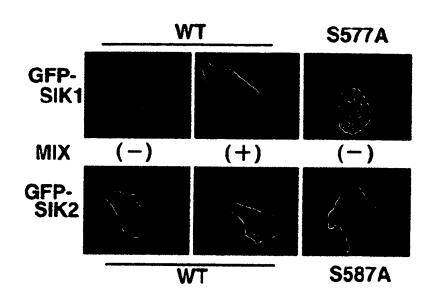


Fig.11

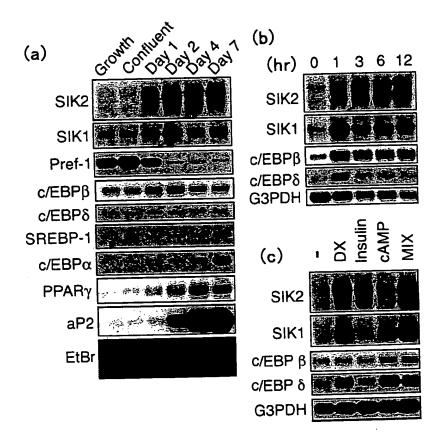


Fig.12

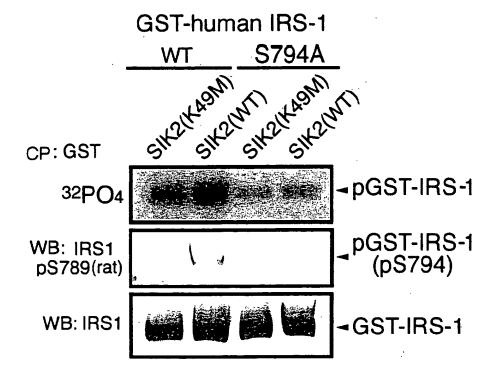
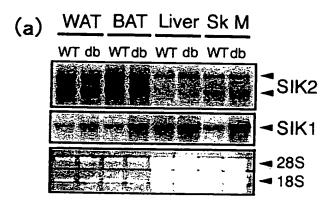
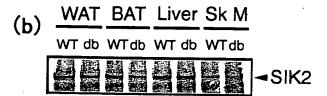


Fig.13





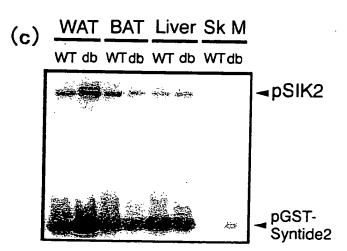


Fig.14

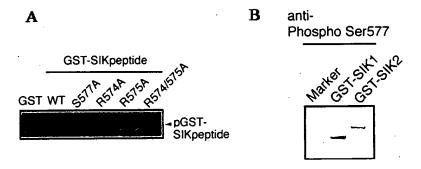


Fig.15

anti-Phospho Thr182-Ser186



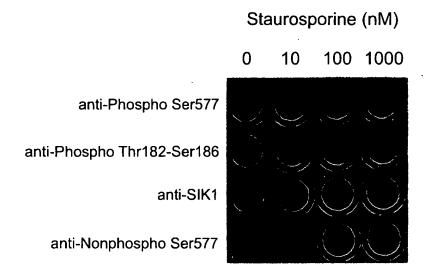


FIG. 16

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